

On Line Appendix

Table A1: Balancing Tests for Writing BS''D

	All Students	Religious Students
	(1)	(2)
Gender (Boy = 1)	-0.175*** (0.049)	-0.256*** (0.071)
Number of siblings	1.119*** (0.161)	0.422* (0.235)
Father's years of schooling	-0.854* (0.502)	-2.065** (0.751)
Mother's years of schooling	-0.961** (0.477)	-1.206 (0.758)
Ethnicity Asia/Africa	0.062* (0.036)	0.031 (0.053)
Ethnicity Europe/America	0.008 (0.034)	-0.099* (0.058)
Ethnicity Israel	-0.014 (0.049)	0.097 (0.073)
Ethnicity Former Soviet Union	-0.075** (0.029)	-0.038 (0.043)
Ethnicity Ethiopia	0.018 (0.018)	0.010 (0.026)
Religiosity	0.722*** (0.029)	
Gender separated school	0.619*** (0.0390)	(0.056) (0.0590)
External Grade	0.158* (0.096)	0.070 (0.134)
Internal Grade	0.216* (0.103)	0.039 (0.143)
N	443	219

Notes: The estimates in each column are each from separate regressions which includes questionnaire FE. The dependent variable in each regression is the characteristic of the student and the explanatory variable is a dummy for writing BS"D. The first column includes the sample of all students and the second column includes religious students only. Standard errors are presented in parentheses.

Table A2: Balancing Tests for the Assignments of Students' Tests to Examiners with Missing Values of Religious Status

	(1)
Gender (Boy = 1)	0.0050 (0.0040)
Number of siblings	-0.010* (0.0050)
Father's years of schooling	-0.0270 (0.0034)
Mother's years of schooling	-0.0110 (0.0310)
Ethnicity Asia/Africa	0.0001 (0.0010)
Ethnicity Europe/America	-0.0002 (0.0010)
Ethnicity Israel	0.0003 (0.0020)
Ethnicity Former Soviet Union	-0.0004 (0.0020)
Ethnicity Ethiopia	-0.0003 (0.0003)
Religious Student	-0.0020 (0.0030)
N	4,133,100

Notes: The dependent variable in each regression is the characteristic of the student and the explanatory variable is a dummy for missing value of religious examiner. Each regression controls for questionnaire and year fixed effects. Standard errors are corrected for examiners clustering and are presented in parentheses.

Table A3: Summary Statistics of Tests Scores, by Students' Religious Status

	All Students	Religious Students	Secular Students
	(1)	(2)	(3)
External Exam Grade	70.378 (20.150)	70.050 (20.622)	70.470 (20.015)
Internal Exam Grade	80.210 (14.823)	81.870 (14.690)	79.740 (14.827)
Final Grade in the Exam (Average of the External and Internal Exams Grades)	75.410 (16.030)	76.116 (16.079)	75.216 (16.011)
Probability of Passing the Exam	0.892 (0.901)	0.890 (0.313)	0.892 (0.896)
Probability of Passing the Exam (Students with High Parental Education)	0.935 (0.246)	0.932 (0.252)	0.936 (0.245)
Probability of Passing the Exam (Students with Low Parental Education)	0.833 (0.372)	0.825 (0.379)	0.835 (0.371)
Number of Observations	2,024,537	441,953	1,582,584

Notes: External exam grades are the mean of the two examiners' scores; Internal exam grades are tests examined by the teacher of the student in each subject; Final grades are the average of the external and internal exam grades; the probability of passing the exam is the probability of receiving a grade higher or equal to 55. Low parental education is equal one if both parents have 12 or less years of schooling. Standard deviations are reported in parentheses.

Table A4: Summary Statistics of Tests Examination

Number of Questionnaires Examined by each Examiner	2.230 (1.383)
Number of Booklets Examined by each Examiner	1650 (1443)
Number of Booklets per School Examined by each Examiner	12.310 (5.332)
Number of Booklets Taken by Each Student	4.885 (2.778)
Number of Total Booklets Examined by each Examiners	4,133,100
Number of Schools	1,003

Notes: Standard deviations are reported in parentheses.

Table A5: Summary Statistics of Number of Tests, by Religious Status and Gender of Examiners

	All Examiners			Male Examiners			Female Examiners		
	All Examiners	Secular Examiners	Religious Examiners	All Examiners	Secular Examiners	Religious Examiners	All Examiners	Secular Examiners	Religious Examiners
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Number of Booklets of Secular Students	3,234,045	1,876,601	927,710	496,996	261,299	140,996	2,710,385	1,615,302	786,714
Number of Booklets of Religious Students	899,121	511,944	273,918	130,800	65,596	40,436	761,315	446,348	233,482

Table A6: Summary Statistics of Examiners' Exposure to Different Religious Status Environmental Measures, by Religious Status and Gender of Examiners

		All Examiners	Secular Examiner	Religious Examiner	Male Examiners	Secular Male Examiners	Religious Male Examiners	Female Examiners	Secular Female Examiners	Religious Female Examiners
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Exposure to Neighbours with a Different Religious Status	Mean	0.189	0.136	0.296	0.230	0.154	0.363	0.183	0.133	0.284
	Std. Deviation	(0.243)	(0.164)	(0.327)	(0.268)	(0.179)	(0.337)	(0.238)	(0.161)	(0.324)
	Median	(0.080)	(0.080)	(0.120)	(0.120)	(0.090)	(0.340)	(0.080)	(0.080)	(0.090)
	Percent of Within Examiner Variation	<i>0.075</i>	<i>0.103</i>	<i>0.019</i>	<i>0.103</i>	<i>0.114</i>	<i>0.084</i>	<i>0.077</i>	<i>0.103</i>	<i>0.024</i>
Exposure to Peers at School with a Different Religious Status	Mean	0.185	0.152	0.253	0.219	0.165	0.316	0.180	0.150	0.242
	Std. Deviation	(0.236)	(0.148)	(0.341)	(0.268)	(0.186)	(0.353)	(0.230)	(0.141)	(0.338)
	Median	(0.100)	(0.110)	(0.060)	(0.110)	(0.110)	(0.120)	(0.100)	(0.110)	(0.050)
	Percent of Within Examiner Variation	<i>0.175</i>	<i>0.181</i>	<i>0.163</i>	<i>0.155</i>	<i>0.187</i>	<i>0.097</i>	<i>0.181</i>	<i>0.180</i>	<i>0.181</i>

Notes: The proportion of neighbours with a different religious orientation is based on the proportion of religious students in the examiner's zip code in each year. The proportion of peers at school with a different religious orientation is based on the proportion of peer teachers at school in each year. Standard deviations and medians are reported in parentheses, percentages of within examiner variation are reported in italic (variation in the dummy variable for higher than the median exposure to different religious environment, by religious status and gender).

Table A6: Summary Statistics of Examiners' Exposure to Different Religious Status Environmental Measures, by Religious Status and Gender of Examiners- Continued

		All Examiners	Secular Examiner	Religious Examiner	Male Examiners	Secular Male Examiners	Religious Male Examiners	Female Examiners	Secular Female Examiners	Religious Female Examiners
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Exposure to Same Subject Peers at School with a Different Religious Status	Mean	0.120	0.096	0.167	0.139	0.115	0.182	0.116	0.094	0.164
	Std. Deviation	(0.207)	(0.157)	(0.276)	(0.226)	(0.184)	(0.279)	(0.204)	0.153	(0.276)
	Median	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	0.000	0.000
	Percent of Within Examiner Variation	<i>0.257</i>	<i>0.301</i>	<i>0.166</i>	<i>0.240</i>	<i>0.242</i>	<i>0.237</i>	<i>0.260</i>	<i>0.310</i>	<i>0.152</i>
Exposure to Same Gender Peers at School with a Different Religious Status	Mean	0.183	0.148	0.251	0.223	0.186	0.291	0.176	0.142	0.244
	Std. Deviation	(0.237)	(0.150)	(0.339)	(0.259)	(0.199)	(0.331)	(0.232)	(0.141)	(0.341)
	Median	(0.100)	(0.110)	(0.050)	(0.130)	(0.130)	(0.110)	(0.090)	0.100	0.050
	Percent of Within Examiner Variation	<i>0.176</i>	<i>0.186</i>	<i>0.156</i>	<i>0.255</i>	<i>0.308</i>	<i>0.159</i>	<i>0.173</i>	<i>0.185</i>	<i>0.149</i>

Notes: The proportion of neighbours with a different religious status is based on the proportion of religious students in the examiner's zip code in each year. The proportion of peers at school with a different religious orientation is based on the proportion of peer teachers at school in each year. Standard deviations and medians are reported in parentheses, percentages of within examiner variation are reported in italic (variation in the dummy variable for higher than the median exposure to different religious environment, by religiosity status and gender).

Table A7: Estimated In-Group Biases of Examiners on Raw Test Scores, by Examiners' Gender

	All Examiners		Male Examiners		Female Examiners	
	Questionnaires, Year and Student Fixed Effects (4)	Year, Student and Examiners by Questionnaire Fixed Effects (6)	Questionnaires, Year and Student Fixed Effects (11)	Year, Student and Examiners by Questionnaire Fixed Effects (13)	Questionnaires, Year and Student Fixed Effects (18)	Year, Student and Examiners by Questionnaire Fixed Effects (20)
Religious Examiner	0.204** (0.098)		0.4070 (0.256)		0.192* (0.106)	
Religious Student x Religious Examiner	0.235** (0.115)	0.168 (0.115)	0.776** (0.309)	0.680** (0.309)	0.187 (0.124)	0.106 (0.122)
Number of Observations	3,590,116	3,590,116	508,324	508,324	3,081,792	3,081,792

Notes: See Table 4 and Table 5. Dependent variables are raw scores (not normalized). Standard errors are corrected for examiners clustering and are presented in parentheses.

Table A8: Sensitivity of the Results to Students' School Characteristics

	Gender Separation (Dummy=1 if Gender Separated School)	Questionnaire Separation
	(1)	(2)
Religious Examiner	0.011** (0.005)	0.012 (0.012)
Religious Student x Religious Examiner	0.010 (0.011)	0.012 (0.080)
Religious Examiner x Students' School Characteristics (Dummy for Gender Separated School/Questionnaire Separation)	0.000 (0.010)	-0.003 (0.028)
Number of Observations	3,547,764	3,566,827

Notes: All columns present the results from separated regressions based on the preferred specification (that include year, questionnaire and student fixed effects), where each regression include additionally the interaction between the dummy for religious examiners with a different characteristic of students' schools. Gender Separation is a dummy variable that equals one if the school is a gender separated religious school. Questionnaire Separation is the percentage of questionnaires per school that religious and secular students take apart. Standard errors are corrected for examiners clustering and are presented in parentheses.

Table A9: Estimated In-Group Biases of Examiners on Test Scores, by Core Subject of Instruction

	Math Examiner	Literature Examiner	Social Studies Examiner	English Examiner
	(1)	(2)	(3)	(4)
Religious Student x Religious Examiner	0.011 (0.007)	0.013* (0.007)	0.005 (0.006)	0.015*** (0.006)
Religious Student x Religious Examiner x Dummy for Subject of Instruction (math/literature/.social studies/English)	-0.003 (0.014)	-0.007 (0.009)	0.041*** (0.013)	-0.012 (0.014)
Number of Observations	3,590,116	3,590,116	3,590,116	3,590,116

Notes: All columns present the results from separated regressions based on the preferred specification (that include year, questionnaire and student fixed effects), where each regression include additionally the interaction with a dummy for the relevant subject of instruction (math/literature/social studies/English). Standard errors are corrected for examiners clustering and are presented in parentheses.

Table A10: Estimated In-Group Biases of Examiners on Test Scores, by Examiners' Characteristics

	Examiners' Subject of Instruction	Examiners' Age	Examiners' Education
	(1)	(2)	(3)
Religious Student x Religious Examiners	0.013 (0.009)	0.019* (0.008)	0.001 (0.010)
Religious Student x Religious Examiners x Dummy for Science/ Older/ High Educated Examiners	-0.005 (0.012)	-0.019* (0.011)	0.014 (0.012)
Number of Observations	3,590,116	3,590,116	3,590,116

Notes: All columns present the results from separated regressions based on the preferred specification (that include year, questionnaire and student fixed effects), where each regression include additionally the interaction with a different characteristics of examiners. Examiners' age is a dummy variable that equals one if the examiner is older than 51 years old, (the median of the distribution). Examiners' education is a dummy variable that equals one if the examiner is with a M.A. or a PhD. Standard errors are corrected for examiners clustering and are presented in parentheses.

Table A11: Estimated In-Group Biases of Examiners on Test Scores, by Type of Religious Examiners

	Type of Religiosity (Dummy for Ultra-Orthodox Jew)	Examiners' School is Located in Segregated Religious Areas (Dummy=1 if Segregated Religious Areas)
	(1)	(2)
Religious Student x Religious Examiner	0.017** (0.007)	0.005 (0.006)
Religious Student x Religious Examiner x Dummy for Orthodox/Religious Examiners Teaching in Segregated Religious Areas	-0.020** (0.010)	0.038** (0.016)
Number of Observations	3,590,116	3,550,108

Notes: All columns present the results from separated regressions based on the preferred specification (that include year, questionnaire and student fixed effects), where each regression include additionally the interaction with a dummy for Ultra-Orthodox/religious examiners teaching in segregated religious areas. Standard errors are corrected for examiners clustering and are presented in parentheses.

Table A12: Estimated Effect of Exposure to a Different Religious Environment on In-Group Biases of Examiners, by Examiners' Gender

	All Examiners			Male Examiners			Female Examiners		
	Examiners Fixed Effects	Examiners by School/Zip Code Fixed Effects	Examiners by Questionnaire and by School/ Zip Code Fixed Effects	Examiners Fixed Effects	Examiners by School/Zip Code Fixed Effects	Examiners by Questionnaire and by School/Zip Code Fixed Effects	Examiners Fixed Effects	Examiners by School/Zip Code Fixed Effects	Examiners by Questionnaire and by School/Zip Code Fixed Effects
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
A. Exposure to Neighbours with a Different Religious Orientation than that of the Examiner									
Religious Student x Religious Examiners	0.016** (0.008)	0.016** (0.008)	0.016** (0.008)	0.079*** (0.024)	0.073*** (0.022)	0.073*** (0.022)	0.008 (0.009)	0.008 (0.009)	0.009 (0.008)
Religious Student x Religious Examiners x Proportion of Neighbours with a Different Religious Orientation	-0.042 (0.029)	-0.043 (0.028)	-0.033 (0.028)	-0.173** (0.068)	-0.153** (0.067)	-0.153** (0.067)	-0.012 (0.032)	-0.007 (0.030)	-0.007 (0.030)
Observations	3,505,201	3,505,201	3,505,201	497,811	497,811	497,811	3,007,390	3,007,390	3,007,390
B. Exposure to Peers at School with a Different Religious Orientation than that of the Examiner									
Religious Student x Religious Examiners	0.009 (0.008)	0.007 (0.008)	0.008 (0.008)	0.037* (0.022)	0.035 (0.021)	0.034 (0.021)	0.005 (0.009)	0.004 (0.008)	0.005 (0.009)
Religious Student x Religious Examiners x Proportion of Peers with a Different Religious Orientation	-0.012 (0.031)	0.001 (0.028)	0.000 (0.029)	-0.023 (0.062)	-0.018 (0.061)	-0.013 (0.060)	-0.008 (0.036)	-0.007 (0.032)	0.005 (0.033)
Observations	3,590,116	3,590,116	3,590,116	508,324	508,324	508,324	3,081,792	3,081,792	3,081,792

Notes: See Table 13. The table presents the estimated effects of exposure to a different religious environment on the in-group biases of examiners based on continuous variables of exposure to different religious environments instead of discrete variables as in Table 13. Standard errors are corrected for examiners clustering and are presented in parentheses.

Table A12: Estimated Effect of Exposure to a Different Religious Environment on In-Group Biases of Examiners, by Examiners' Gender - Continued

	All Examiners			Male Examiners			Female Examiners		
	Examiners Fixed Effects	Examiners by School/Zip Code Fixed Effects	Examiners by Questionnaire and by School/ Zip Code Fixed Effects	Examiners Fixed Effects	Examiners by School/Zip Code Fixed Effects	Examiners by Questionnaire and by School/Zip Code Fixed Effects	Examiners Fixed Effects	Examiners by School/Zip Code Fixed Effects	Examiners by Questionnaire and by School/Zip Code Fixed Effects
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

C. Exposure to Peers at School with a Different Religious Orientation than that of the Examiner but who Teach the Same Subject

Religious Student x Religious Examiners	0.012* (0.007)	0.011 (0.007)	0.012* (0.007)	0.047** (0.019)	0.046** (0.018)	0.045** (0.018)	0.008 (0.007)	0.007 (0.007)	0.007 (0.007)
Religious Student x Religious Examiners x Proportion of Same Subject Peers at School with a Different Religious Orientation	-0.036 (0.026)	-0.024 (0.025)	-0.025 (0.025)	-0.104 (0.068)	-0.104 (0.067)	-0.100 (0.067)	-0.020 (0.028)	-0.004 (0.027)	-0.006 (0.027)
Observations	3,485,422	3,485,422	3,590,116	498,185	498,185	498,185	2,987,237	2,987,237	2,987,237

D. Exposure to Peers with a Different Religious Orientation than that of the Examiner but of the Same Gender at School

Religious Student x Religious Examiners	0.008* (0.008)	0.007* (0.008)	0.008* (0.008)	0.042* (0.022)	0.040* (0.021)	0.038* (0.021)	0.005 (0.009)	0.004 (0.008)	0.005 (0.008)
Religious Student x Religious Examiners x Proportion of	-0.010	0.003	0.001	-0.060	-0.048	-0.045	-0.003	-0.023	-0.088

Same Gender Peers at School with a Different Religious Orientation	(0.031)	(0.028)	(0.028)	(0.064)	(0.060)	(0.061)	(0.053)	(0.044)	(0.156)
Observations	3,590,116	3,590,116	3,590,116	508,324	508,324	508,324	3,081,792	3,081,792	3,081,792

Notes: See Table 13. The table presents the estimated effects of exposure to a different religious environment on the in-group biases of examiners based on continuous variables of exposure to different religious environments instead of discrete variables as an in Table 13. Standard errors are corrected for examiners clustering and are presented in parentheses.